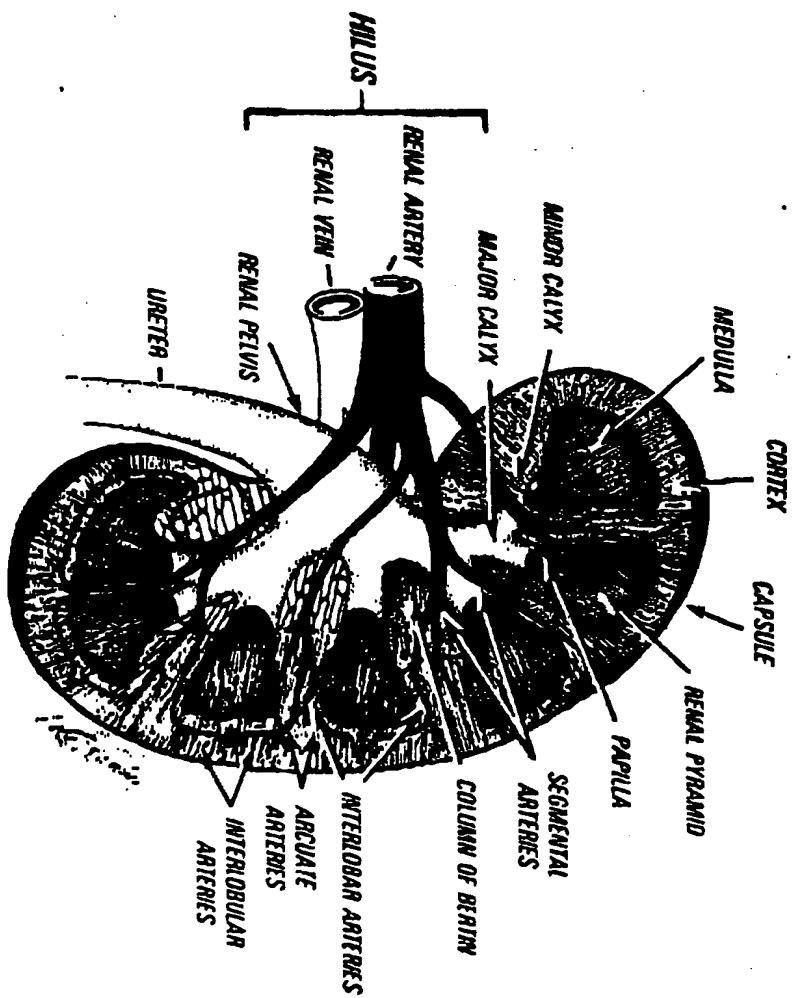


longitudinal section of kidney



Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

Figure 3A. WAP-hPC Construct

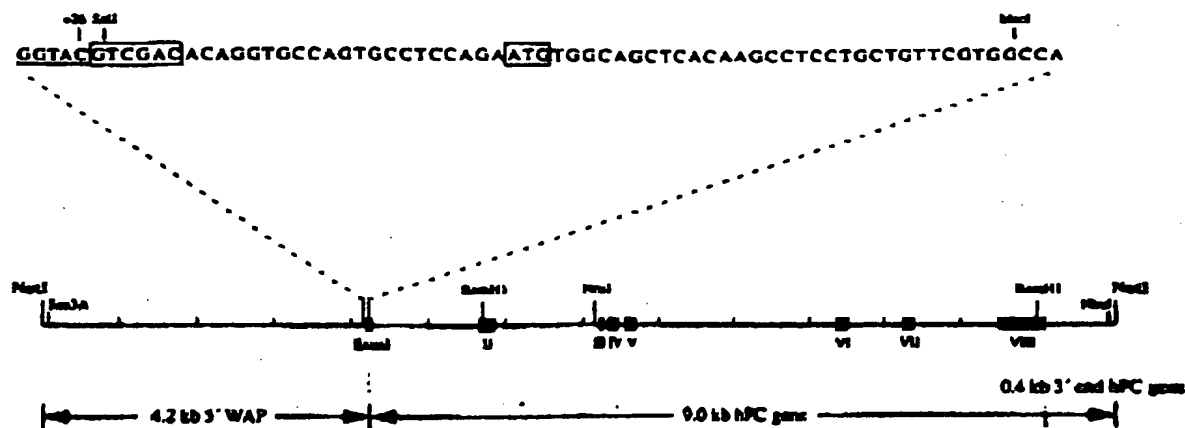
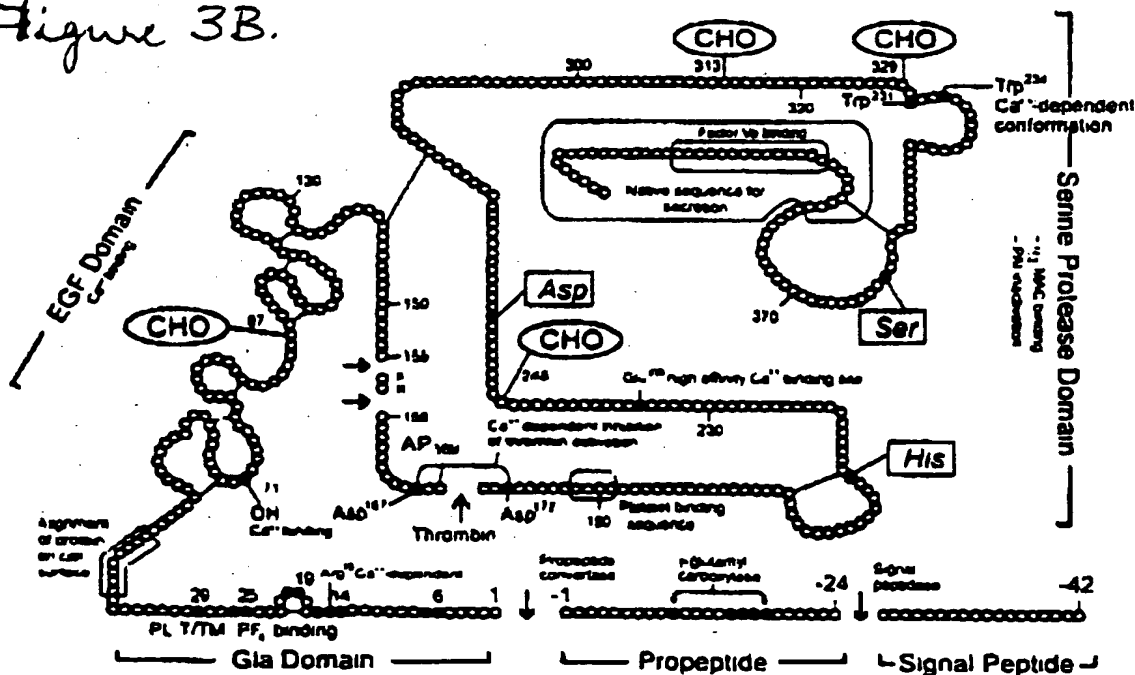
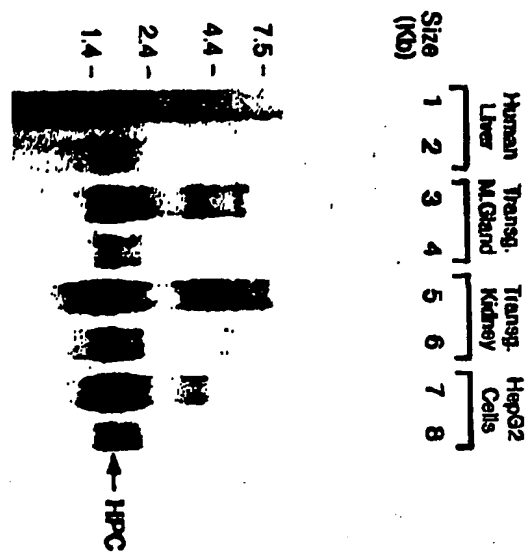


Figure 3B.



Human Protein C Structure and Function

Figure 4. Northern Blot Analysis of
rHPC transcripts



5

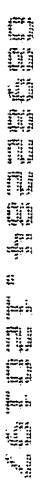


FIGURE 7

Type of enzyme	Gene	Source (species/strain)
Phytase	<i>phyA</i>	<i>Aspergillus fumigatus</i>
Phytase		<i>Aspergillus niger</i> T213
Phytase		<i>Aspergillus terreus</i> 9A1
Phytase		<i>Aspergillus ficuum</i>
Phytase		<i>M. thermophila</i>
Phosphate removing enzyme		<i>Acinetobacter johnsonii</i> 210A
Cellulase		<i>Thermomonospora curvata</i>
Cellulase		<i>Trichoderma</i>
Cellulase	<i>celA</i> , <i>celB</i> , <i>celF</i>	<i>Clostridium celulolyticum</i> <i>Clostridium saccharolyticum</i> <i>F. succinogenes</i> <i>R. flavefaciens</i>
Cellulase		<i>Streptomyces viridosporus</i>
Avicelase		<i>Thermatoga neapolitana</i>
Carboxymethylcellulase β -Glucosidase Xylanase Pectinase		<i>Fusarium acuminatum</i>
Ligninase		<i>Streptomyces viridosporus</i> T7A
Lignin peroxidase	<i>ALip-P3</i>	<i>Streptomyces viridosporus</i>

Figure 7 (continued)

Lignin peroxidases		<i>Streptomyces badius</i> 252
Aromatic acid esterase		<i>Streptomyces viridosporus</i>
Aromatic aldehyde oxidase		<i>Streptomyces viridosporus</i>
Lignocellulose-degrading enzyme		<i>Thermomonospora mesophila</i>
Lignin-solubilizing enzyme		<i>Streptomyces cyaneus</i>
Lignocellulose oxidases		<i>Streptomyces badius</i> 252
Chlorohydrolase	<i>aztA</i>	<i>Pseudomonas</i> sp. strain ADP
Dechlorinating enzyme	<i>TrzA</i>	<i>R. corallinus</i> NRRL B-15444R
Dechlorinating enzymes		white-rot fungi
Aldehyde reductase 1		human liver
Carbonyl reductase 1		human liver
Carbonyl reductase 2		human liver
Chlordecone reductase		gerbil liver
Chlordecone reductase		human liver
Organic arsenic-methylating enzymes		<i>Penicillium</i> sp.
Chlorobenzene dioxygenase	<i>Tec</i>	<i>Burkholderia</i> sp. PS12
Ferredoxin		
Reductase		

Figure 7 (continued)

Organophosphorus hydrolase		<i>Pseudomonas diminuta</i> MG <i>Flavobacterium</i> sp. ATCC27551
Arylesterase/paraoxonase/ Parathion hydrolase	opd	<i>Flavobacterium</i>
Organophosphorous-degrading enzyme	<i>mpr56-1</i>	mouse liver and kidney
Nitrile aminohydrolase Amidase		<i>Pseudomonas marginalis</i>
Toluate 1,2-dioxygenase Dihydro-dihydroxybenzoic acid dehydrogenase	<i>xylD</i> <i>xylL</i>	<i>Pseudomonas</i> sp. B13
Salicylate hydroxylase	<i>nahG</i>	<i>Pseudomonas</i> sp. B13
Nitroaromatic-degrading enzyme		<i>Comamonas acidovorans</i> NBS-10
Organosulfur-degrading enzyme		<i>Rhodococcus</i> sp. IGTS8
Sulfur oxidating enzyme	<i>soxABC</i>	<i>Rhodococcus</i> sp. IGTS8
Phenylalanine dehydrogenase		<i>Rhodococcus</i> sp.
Endoglycosidase		<i>Rhodococcus</i> sp.
Haloperoxidase	<i>thcF</i>	<i>Rhodococcus erythropolis</i> NI86/21
Chloroperoxidase		<i>Pseudomonas pyrrrocinia</i>
Hydroxybiphenyl 3-monooxygenase	<i>hbpA</i>	<i>Pseudomonas azelaica</i> HBP1
2,4-Dichlorophenol 6-hydroxylase		<i>R. eutropha</i>
Phenol 2-hydroxylase		<i>Pseudomonas</i> sp. EST1001

1. $\frac{1}{2}$ cup of water
 2. $\frac{1}{2}$ cup of milk
 3. $\frac{1}{2}$ cup of cream
 4. $\frac{1}{2}$ cup of sugar
 5. $\frac{1}{2}$ cup of butter
 6. $\frac{1}{2}$ cup of oil
 7. $\frac{1}{2}$ cup of vinegar
 8. $\frac{1}{2}$ cup of lemon juice
 9. $\frac{1}{2}$ cup of orange juice
 10. $\frac{1}{2}$ cup of apple juice
 11. $\frac{1}{2}$ cup of grape juice
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 168. $\frac{1}{2}$ cup of watermelon juice
 169. $\frac{1}{2}$ cup of orange juice
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Styrene monooxygenase	<i>styA</i> , <i>styB</i>	<i>Poseudomonas fluorescens</i> ST
Epoxystyrene isomerase	<i>styC</i>	<i>Poseudomonas fluorescens</i> ST
Phenylacetaldehyde dehydrogenase	<i>styD</i>	<i>Poseudomonas fluorescens</i> ST